Abstract

Bandung City is the center of the largest city in West Java. Like other large cities, Bandung provides public transportation, one of which is Bandung City Transportation. Bandung City Transportation is divided into several routes that have been determined by the Government. On each route there is a predetermined road route. However, there are still major roads that have not yet been traversed by Bandung Public Transportation. In compiling new route recommendations, data processing from route and public transport data is processed in the Bandung Mayor Decree 2008, and processing latitude, longitude, distance between points with reference data to the Bandung Mayor Decree using the Ant Colony Optimization method to find new optimal route recommendations. Route data based on Bandung Mayor Decree compared with new recommendation route data. Based on the results of the analysis, it can be concluded that the new recommendation route is more optimal when compared with the route data from the Bandung Mayor Decree in terms of the route of the road traveled and in terms of revenue of Bandung Public Transport drivers.